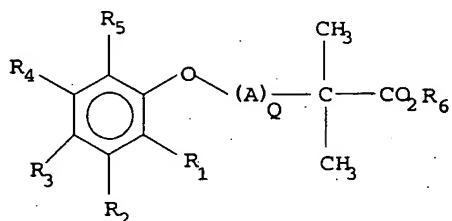


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**In the claims:**

Please cancel claims 27-40, 58, and 59 without disclaimer or prejudice to applicants' right to pursue the subject matter of these claims in a future continuation or divisional application.

1. (currently amended) A method for inhibiting growth of a bacterium which consists essentially of contacting the bacterium with a compound having the structure:



wherein each of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> comprises independently H, F, Cl, Br, I, -OH, -OR<sub>7</sub>, -CN, -COR<sub>7</sub>, -SR<sub>7</sub>, -N(R<sub>7</sub>)<sub>2</sub>, -NR<sub>7</sub>COR<sub>8</sub>, -NO<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>OR<sub>7</sub>, -(CH<sub>2</sub>)<sub>p</sub>X(R<sub>7</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>XR<sub>7</sub>, CO R<sub>8</sub>, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein a linkage to the benzene ring may alternatively be -N-, -S-, -O- or -C-; wherein R<sub>7</sub>, R<sub>8</sub> may be independently H, F, Cl, Br, I, -OH, -CN, -COH, -SH<sub>2</sub>, -NH<sub>2</sub>, -NHCOH, -(CH<sub>2</sub>)<sub>p</sub>OH, -(CH<sub>2</sub>)<sub>p</sub>X(CH<sub>2</sub>), -(CH<sub>2</sub>)<sub>p</sub>XCOH, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein A may be -N<sub>2</sub>-, -NH-, -C=C=CH<sub>2</sub>-, -C≡C-C<sub>2</sub>HOH-, -

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$C\equiv C-CH_2-$ ,  $-CH_2-CH_2-O-$ ,  $-CH_2-CH_2-CH_2-O-$ ,  $-S-$ ,  $-S(=O)_2-$ ,  $-C=O-$ ,  $-C=O-O-$ ,  $-NH-C=O-$ ,  $-C=O-NH-$ ; and wherein Q, p, ~~N~~ and ~~X~~ n and X may independently be an integer from 1 to 10, or if Q is 1 A comprises a  $(C_1-C_{10})$ -alkyl chain,  $(C_1-C_{10})$ -alkenyl chain or  $(C_1-C_{10})$ -alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by  $-O-$  or  $-S-$  or  $-N-$ ; or a pharmaceutically acceptable salt or ester thereof, which compound is present in a concentration effective to inhibit growth of the bacterium.

2. (original) The method of claim 1, wherein A comprises an  $(C_1-C_{10})$ -alkylene chain,  $(C_1-C_{10})$ -alkyl chain,  $(C_1-C_{10})$ -alkenyl chain or  $(C_1-C_{10})$ -alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by  $-O-$  or  $-S-$  or  $-N-$ .

3. (original) The method of claim 1, wherein

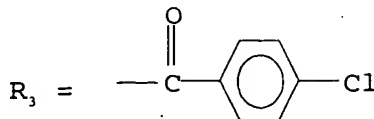
$R_1 = R_4 = CH_3$  or  $-OH$ ,  
 $R_2 = R_3 = R_5 = R_6 = H$  or  $-OH$ ,  
 $A = CH_2$ ,  
and  $Q = 3$ .

4. (original) The method of claim 1, wherein

$R_3 = Cl$ ,  
 $R_1, R_2, R_4, R_5, R_6 = H$  or  $-OH$ ,  
and  $Q = 0$ .

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5. (original) The method of claim 1, wherein



$R_6 = \text{CH}(\text{CH}_3)_2,$

$R_1 = R_2 = R_4 = R_5 = \text{H or } -\text{OH},$   
and  $Q = 0.$

6. (original) The method of claim 1, wherein

$R_3 = \text{Cl},$

$R_6 = \text{C}_2\text{H}_5,$

$R_1 = R_2 = R_4 = R_5 = \text{H or } -\text{OH},$   
and  $Q = 0.$

7. (original) The method of claim 1, wherein the bacterium is *Legionella pneumophila*, *Mycobacterium tuberculosis*, *Bacillus subtilis*, *Bacillus Megaterium*, *Pseudomonas Oleovorans*, *Alcaligenes eutrophus*, *Rhodococcus sp.*, *Citrobacter freundii*, *Group A Streptococcus sp.*, *Coag neg Staphylococcus aureus* or *Nocardia sp.*

8. (original) The method of claim 1, wherein the bacterium is *Legionella pneumophila*.

9. (original) The method of claim 1, wherein the bacterium is *Mycobacterium tuberculosis*.

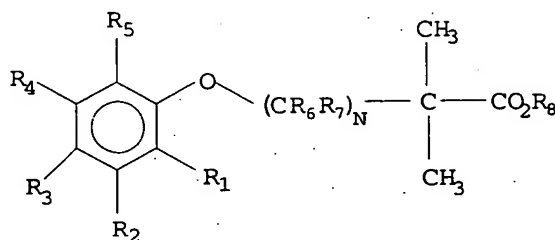
10. (original) The method of claim 1, wherein the bacterium is in a eukaryotic cell.

11. (original) The method of claim 1, wherein the concentration of the compound is from about 5µg/ml to about 100µg/ml.

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12. (original) The method of claim 1, wherein the concentration of the compound is 20µg/ml.

13. (currently amended) A method for alleviating the symptoms of a bacterial infection in a subject which consists essentially of administering to the subject an amount of a compound having the structure:



wherein each of  $\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_3$ ,  $\text{R}_4$ ,  $\text{R}_5$  and  $\text{R}_6$  may be independently H, F, Cl, Br, I, -OH, -OR, -CN, -COR, -SR, -N(R)<sub>2</sub>, -NR, COR, -NO<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>OR, -(CH<sub>2</sub>)<sub>p</sub>X(R)<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>XR, COR, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein a linkage to the benzene ring may alternatively be -N-, -S-, -O- or -C-; wherein  $\text{R}_7$  or  $\text{R}_8$  may be independently H, F, Cl, Br, I, -OH, -CN, -COH, -SH<sub>2</sub>, -NH<sub>2</sub>, -NHCOH, -(CH<sub>2</sub>)<sub>p</sub>OH, -(CH<sub>2</sub>)<sub>p</sub>X(CH<sub>2</sub>), -(CH<sub>2</sub>)<sub>p</sub>XCOH, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein A may be -N<sub>2</sub>-, -NH-, -C=C=CH<sub>2</sub>-, -C≡C-C<sub>2</sub>HOH-, -C≡C-CH<sub>2</sub>-, -CH<sub>2</sub>-CH

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$_2$  -O-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-, -S-, -S(=O)<sub>2</sub>-, -C=O-, -C=O-O-,  
-NH-C=O-, -C=O-NH-; and wherein Q, p, ~~N~~ and ~~x~~ n and  
X may independently be an integer from 1 to 10, or if  
Q is 1 A may be a (C<sub>1</sub>-C<sub>10</sub>)-alkyl chain, (C<sub>1</sub>-C<sub>10</sub>)-  
alkenyl chain or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl chain which is  
branched or unbranched, substituted or unsubstituted  
and can optionally be interrupted 1 to 3 times by -O-  
or -S- or -N-; or a pharmaceutically acceptable salt  
or ester thereof, which compound is present in a  
concentration effective to inhibit bacterial growth  
and thus alleviate the symptoms of the bacterial  
infection in the subject.

14. (original) The method of claim 13, wherein A comprises an  
(C<sub>1</sub>-C<sub>10</sub>)-alkylene chain, (C<sub>1</sub>-C<sub>10</sub>)-alkyl chain, (C<sub>1</sub>-C<sub>10</sub>)-  
alkenyl chain or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl chain which is branched or  
unbranched, substituted or unsubstituted and can optionally be  
interrupted 1 to 3 times by -O- or -S- or -N-.

15. (original) The method of claim 13, wherein

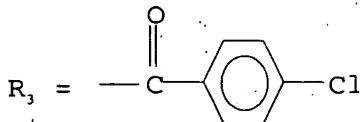
R<sub>1</sub> = R<sub>4</sub> = CH<sub>3</sub> or -OH,  
R<sub>2</sub> = R<sub>3</sub> = R<sub>5</sub> = R<sub>6</sub> = H or -OH,  
A = CH<sub>2</sub>,  
and Q = 3.

16. (original) The method of claim 13, wherein

R<sub>3</sub> = Cl,  
R<sub>1</sub> = R<sub>2</sub> = R<sub>4</sub> = R<sub>5</sub> = R<sub>6</sub> = H or -OH,  
and Q = 0.

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17. (original) The method of claim 13, wherein



$R_6 = \text{CH}(\text{CH}_3)_2,$

$R_1 = R_2 = R_4 = R_5 = \text{H or -OH},$   
and  $Q = 0.$

18. (original) The method of claim 13, wherein

$R_3 = \text{Cl},$

$R_6 = \text{C}_2\text{H}_5,$

$R_1 = R_2 = R_4 = R_5 = \text{H or -OH},$   
and  $Q = 0.$

19. (original) The method of claim 13, wherein the bacterial infection is associated with *Legionella pneumophila*, *Mycobacterium tuberculosis*, *Bacillus subtilis*, *Bacillus Megaterium*, *Pseudomonas Oleovorans*, *Alcaligenes eutrophus*, *Rhodococcus sp.*, *Citrobacter freundii*, Group A *Streptococcus sp.*, *Coag. neg Staphylococcus aureus* or *Nocardia sp.*

20. (original) The method of claim 13, wherein the bacterial infection is associated with *Legionella pneumophila*.

21. (original) The method of claim 13, wherein the bacterial infection is associated with *Mycobacterium tuberculosis*.

22. (original) The method of claim 13, wherein the subject is a human or an animal.

23. (original) The method of claim 13, wherein the bacterial infection is associated with Leprosy, *Brucella* or *Salmonella*.

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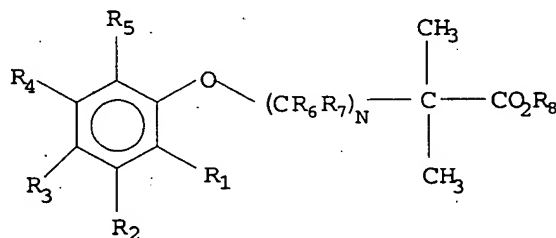
24. (original) The method of claim 13, wherein the concentration of the compound is from about 5 µg/ml blood of the subject to about 180 µg/ml blood of the subject.

25. (original) The method of claim 13, wherein the concentration of the compound is 90 µg/ml blood of the subject.

26. (original) The method of claim 13, wherein the administration to the subject is oral.

27-40. (canceled)

41. (currently amended) A method of altering a pathway of fatty acid synthesis in a bacterium which comprises contacting the bacterium with a compound having the structure:



wherein each of  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  may be independently H, F, Cl, Br, I, -OH, -OR, -CN, -COR, -SR, -N( $R_7$ )<sub>2</sub>, -NR, COR, -NO<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub> OR, -(CH<sub>2</sub>)<sub>p</sub> X( $R_7$ )<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub> XR, COR, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein a linkage to the benzene ring may alternatively be -N-, -S-, -O- or -C-; wherein R, or

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$R_8$  may be independently H, F, Cl, Br, I, -OH, -CN, -COH, -SH<sub>2</sub>, -NH<sub>2</sub>, -NHCOH, -(CH<sub>2</sub>)<sub>p</sub> OH, -(CH<sub>2</sub>)<sub>p</sub> X(CH<sub>2</sub>)<sub>p</sub>, -(CH<sub>2</sub>)<sub>p</sub> XCOH, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein A may be -N<sub>2</sub>-, -NH-, -C=C-CH<sub>2</sub>-, -C≡C-C<sub>2</sub>HOH-, -C≡C-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-O-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-, -S-, -S(=O)<sub>2</sub>-, -C=O-, -C=O-O-, -NH-C=O-, -C=O-NH-; and wherein Q, p, N and ~~X~~ n and X may independently be an integer from 1 to 10, or if Q is 1 A may be a (C<sub>1</sub>-C<sub>10</sub>)-alkyl chain, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl chain or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by -O- or -S- or -N-; or a pharmaceutically acceptable salt or ester thereof, thus altering the pathway of fatty acid synthesis.

42. (original) The method of claim 41, wherein A comprises an (C<sub>1</sub>-C<sub>10</sub>)-alkylene chain, (C<sub>1</sub>-C<sub>10</sub>)-alkyl chain, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl chain or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by -O- or -S- or -N-.

43. (original) The method of claim 41, wherein

$R_1 = R_4 = \text{CH}_3 \text{ or } -\text{OH},$   
 $R_2 = R_3 = R_5 = R_6 = \text{H or } -\text{OH},$   
 $A = \text{CH}_2,$   
and  $Q = 3.$

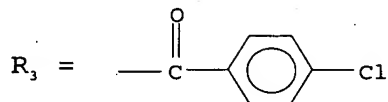
44. (original) The method of claim 41, wherein



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$R_3 = \text{Cl}$ ,  
 $R_1, R_2, R_4, R_5, R_6 = \text{H or } -\text{OH}$ ,  
 and  $Q = 0$ .

45. (original) The method of claim 41, wherein

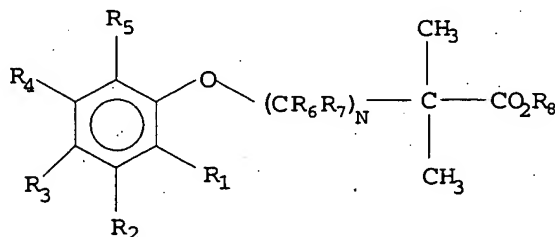


$R_6 = \text{CH}(\text{CH}_3)_2$ ,  
 $R_1 = R_2 = R_4 = R_5 = \text{H or } -\text{OH}$ ,  
 and  $Q = 0$ .

46. (original) The method of claim 41, wherein the bacterium is *Legionella pneumophila*, *Mycobacterium tuberculosis*, *Bacillus subtilis*, *Bacillus Megaterium*, *Pseudomonas Oleovorans*, *Alcaligenes eutrophus*, *Rhodococcus sp.*, *Citrobacter freundii*, Group A *Streptococcus sp.*, Coag neg *Staphylococcus aureus* or *Nocardia sp.*

47. (original) A method of inhibiting growth of a bacterium which consists essentially of contacting the bacteria with an enoyl reductase inhibitor so as to inhibit the reductase and thus inhibit the growth of the bacterium.

48. (currently amended) A method for determining whether or not a bacterium is sensitive to a compound having the structure:



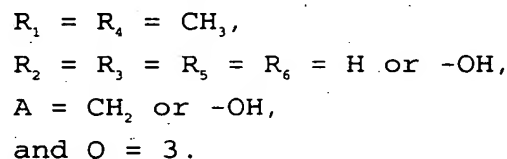
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wherein each of  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  may be independently H, F, Cl, Br, I, -OH, -OR<sub>7</sub>, -CN, -COR<sub>7</sub>, -SR<sub>7</sub>, -N(R<sub>7</sub>)<sub>2</sub>, -NR<sub>7</sub>, COR<sub>8</sub>, -NO<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>, OR<sub>7</sub>, -(CH<sub>2</sub>)<sub>p</sub>, X(R<sub>7</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>p</sub>, XR<sub>7</sub>, COR<sub>8</sub>, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein a linkage to the benzene ring may alternatively be -N-, -S-, -O- or -C-; wherein R<sub>7</sub> or R<sub>8</sub> may be independently H, F, Cl, Br, I, -OH, -CN, -COH, -SH<sub>2</sub>, -NH<sub>2</sub>, -NHCOH, -(CH<sub>2</sub>)<sub>p</sub>, OH, -(CH<sub>2</sub>)<sub>p</sub>, X(CH<sub>2</sub>)<sub>p</sub>, -(CH<sub>2</sub>)<sub>p</sub>, XCOH, a straight chain or branched, substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein A may be -N<sub>2</sub>-, -NH-, -C=C=CH<sub>2</sub>-, -C≡C-C<sub>2</sub>HOH-, -C≡C-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-O-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-, -S-, -S(=O)<sub>2</sub>-, -C=O-, -C=O-O-, -NH-C=O-, -C=O-NH-; and wherein Q, p, N and X n and X may independently be an integer from 1 to 10, or if Q is 1 A may be a (C<sub>1</sub>-C<sub>10</sub>)-alkyl chain, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl chain or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by -O- or -S- or -N-; or a pharmaceutically acceptable salt or ester thereof, which comprises contacting the bacterium with a concentration of the compound effective to inhibit growth of the bacterium if the bacterium is sensitive to the compound, thereby determining whether or not the bacterium is sensitive to the compound.

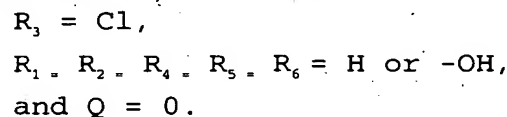
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49. (original) The method of claim 48, wherein A comprises an  $(C_1-C_{10})$ -alkylene chain,  $(C_1-C_{10})$ -alkyl chain,  $(C_1-C_{10})$ -alkenyl chain or  $(C_1-C_{10})$ -alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by -O- or -S- or -N-.

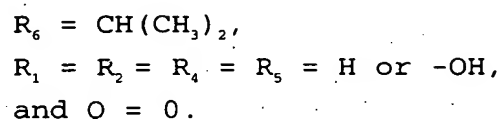
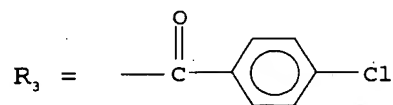
50. (original) The method of claim 48, wherein



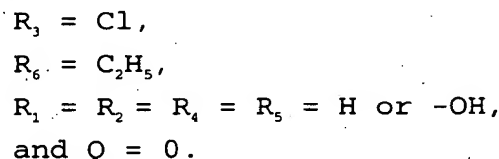
51. (original) The method of claim 48, wherein



52. (original) The method of claim 48, wherein



53. (original) The method of claim 48, wherein



54. (original) The method of claim 48, wherein the bacterium is

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in a cell.

55. (original) The method of claim 48, wherein the bacterium is selected from the group consisting of *Legionella pneumophila*, *Bacillus subtilis*, *Caulobacter crescentus*, *Citrobacter freundii*, *Nocardia sp.*, *Rhodobacter spheroides*, Group A *Streptococcus sp.*, Coag neg *Staphylococcus aureus* and *Mycobacterium tuberculosis*.

56. (original) The method of claim 48, wherein the concentration of the compound is from about 5µg/ml to about 100µg/ml.

57. (original) The method of claim 48, wherein the concentration of the compound is 20 µg/ml.

58-59. (canceled)